

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Date: August 12, 2004

By: Cheryl M. Powell
Cheryl M. Powell

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND SUBSTITUTION OF POWER OF ATTORNEY

Dear Sir:

I hereby revoke all previous powers of attorney or authorizations of agent given in the patent applications listed below and hereby appoint All Practitioners at Customer Number 08933 to prosecute all applications listed below and to transact all business in the United States Patent and Trademark Office connected therewith.

I hereby appoint the following additional attorneys, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

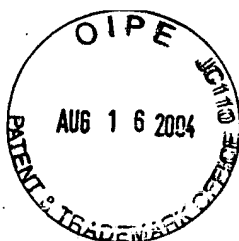
Chien Chou
Steven Liu
Simon Lu

Registration Number: 41,672
Registration Number: 43,756
Registration Number: 51,974

Please change the correspondence address for all the applications listed below to:

Customer No. 08933
William H. Murray
DUANE MORRIS LLP
One Liberty Place
Philadelphia, PA 19103-7396
Fax (215) 979-1000

All telephone calls for all applications listed below should be addressed to Steven E. Koffs at (215) 979-1250



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CERTIFICATE UNDER 37 CFR 3.73(b)

Taiwan Semiconductor Manufacturing Co., Ltd., a Corporation

(Name of Assignee)(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent applications identified below by virtue of an assignment from the inventor(s) of the patent applications:

Serial No.	Filing Date	Assignment Information
09/785,114	2/20/2001	Assignment recorded in the Patent and Trademark Office at Reel 011598, Frame 0438
09/945,432	9/4/2001	Assignment recorded in the Patent and Trademark Office at Reel 012151, Frame 0558
09/993,067	11/14/2001	Assignment recorded in the Patent and Trademark Office at Reel 012327, Frame 0486
10/040,042	11/7/2001	Assignment recorded in the Patent and Trademark Office at Reel 012472, Frame 0229
10/042,573	1/9/2002	Assignment recorded in the Patent and Trademark Office at Reel 012486, Frame 0878
10/043,483	1/11/2002	Assignment recorded in the Patent and Trademark Office at Reel 012486, Frame 0805
10/086,258	3/4/2002	Assignment recorded in the Patent and Trademark Office at Reel 012682, Frame 0716
10/140,648	5/7/2002	Assignment recorded in the Patent and Trademark Office at Reel 012902, Frame 0476
10/163,709	6/6/2002	Assignment recorded in the Patent and Trademark Office at Reel 012987, Frame 0814
10/170,247	6/12/2002	Assignment recorded in the Patent and Trademark Office at Reel 013002, Frame 0822
10/176,855	6/21/2002	Assignment recorded in the Patent and Trademark Office at Reel 013034, Frame 0170
10/187,705	7/2/2002	Assignment recorded in the Patent and Trademark Office at Reel 013082, Frame 0883
10/197,048	7/17/2002	Assignment recorded in the Patent and Trademark Office at Reel 013129, Frame 0317
10/205,791	7/26/2002	Assignment recorded in the Patent and Trademark Office at Reel 013148, Frame 0401
10/213,586	8/7/2002	Assignment recorded in the Patent and Trademark Office at Reel 013179, Frame 0574
10/222,360	08/16/2002	Assignment recorded in the Patent and Trademark Office at Reel 013936, Frame 0305
10/236,535	9/6/2002	Assignment recorded in the Patent and Trademark Office at Reel 009698, Frame 0404
10/238,708	9/10/2002	Assignment recorded in the Patent and Trademark Office at Reel 013296, Frame 0365
10/251,326	9/20/2002	Copy of Assignment attached
10/261,289	09/30/2002	Assignment recorded in the Patent and Trademark Office at Reel 013360, Frame 0977
10/268,587	10/10/2002	Assignment recorded in the Patent and Trademark Office at Reel 013384, Frame 0722
10/270,973	10/15/2002	Copy of Assignment attached
10/283,892	10/30/2002	Assignment recorded in the Patent and Trademark Office at Reel 011429, Frame 0641

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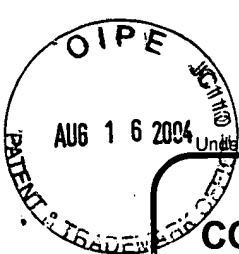
10/292,773	11/12/2002	Assignment recorded in the Patent and Trademark Office at Reel 012593, Frame 0773
10/310,314	12/5/2002	Assignment recorded in the Patent and Trademark Office at Reel 013558, Frame 0278
10/323,098	12/18/2002	Assignment recorded in the Patent and Trademark Office at Reel 011672, Frame 0361
10/353,111	1/28/2003	Assignment recorded in the Patent and Trademark Office at Reel 013715, Frame 0359
10/353,421	1/29/2003	Assignment recorded in the Patent and Trademark Office at Reel 013722, Frame 0384
10/371,842	2/20/2003	Assignment recorded in the Patent and Trademark Office at Reel 013805, Frame 0302
10/427,286	5/1/2003	Assignment recorded in the Patent and Trademark Office at Reel 014035, Frame 0966
10/437,373	5/13/2003	Assignment recorded in the Patent and Trademark Office at Reel 011226, Frame 0344
10/462,287	6/16/2003	Assignment recorded in the Patent and Trademark Office at Reel 012154, Frame 0573
10/613,606	7/3/2003	Assignment recorded in the Patent and Trademark Office at Reel 012582, Frame 0014
10/623,912	7/21/2003	Assignment recorded in the Patent and Trademark Office at Reel 014318, Frame 0163
10/689,430	10/20/2003	Assignment recorded in the Patent and Trademark Office at Reel 014622, Frame 0430
10/700,779	11/04/2003	Assignment recorded in the Patent and Trademark Office at Reel 014670, Frame 0664

The undersigned has reviewed all the documents in the chain of title of the patent applications identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: June 23, 2004 By: 
Name: Chien-Wei Chou
Title: Director, Intellectual Property Division

**CHANGE OF
CORRESPONDENCE ADDRESS****Application**

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	09/945,432
Filing Date	September 4, 2001
First Named Inventor	Chung Liu et al.
Art Unit	2812
Examiner Name	Nguyen, Ha T.
Attorney Docket Number	N1085-90022

Please change the Correspondence Address for the above-identified application to:



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I am the :



Applicant/Inventor.



Assignee of record of the entire interest.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).



Attorney or Agent of record. Registration Number

37,577



Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number

Typed or Printed
Name

Paul A. Schwarz, Esq.

Signature

Date

August 12, 2004

Telephone

(609) 919-4408

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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